

CLAIM AMENDMENTS

This listing of claims reflects all claim amendments and replaces all prior versions, and listings, of claims in the application (material to be inserted in amended claims is in underline, and material to be deleted is in ~~strikeout~~ or (if the deletion is of five or fewer consecutive characters or would be difficult to see) in double brackets [[]]).

1. (Currently amended) A fuel processing system, comprising:
a volatile feedstock delivery system, comprising:
a plurality of heated reservoirs adapted to receive and store under pressure a volume of a volatile carbon-containing feedstock;
a heating assembly adapted to heat the plurality of reservoirs; and
a delivery system adapted to selectively deliver [[an]] a heated output stream containing feedstock from a selected one of the reservoirs; and
~~a heating assembly adapted to heat the plurality of reservoirs; and~~
a fuel processor adapted to receive the heated output stream and to produce a product gas stream primarily containing hydrogen gas therefrom.

2. (Original) The system of claim 1, wherein the heating assembly is adapted to heat the reservoirs by heat exchange with a heated fluid stream.

3. (Original) The system of claim 2, wherein the heating assembly is adapted to selectively apportion the heated fluid stream between the plurality of reservoirs.

4. (Original) The system of claim 3, wherein the heating assembly is adapted to selectively apportion the heated fluid stream between the plurality of reservoirs to control the pressure of the volatile carbon-containing feedstock in the reservoirs.

5. (Withdrawn) The system of claim 1, wherein the heating assembly includes at least one electric resistance heater adapted to heat the reservoirs.

6. (Original) The system of claim 1, wherein the heating assembly includes a burner adapted to produce an exhaust stream, and further wherein the heating assembly is adapted to heat the reservoirs through heat exchange with the exhaust stream from the burner.

7. (Withdrawn) The system of claim 1, wherein at least one of the reservoirs includes at least one conduit extending into the reservoirs through which a heated fluid stream may flow.

8. (Withdrawn) The system of claim 7, wherein the heating assembly is adapted to heat at least one of the reservoirs by passing a heated fluid stream through the at least one conduit.

9. (Original) The system of claim 1, wherein at least one of the reservoirs includes a shell at least partially surrounding the reservoir and spaced-apart from that reservoir to define a cavity, and further wherein the heating assembly is adapted to heat the at least one of the reservoirs by delivering a heated fluid stream to the cavity.

10. (Original) The system of claim 1, further including a supply assembly adapted to selectively deliver the volatile carbon-containing feedstock to the plurality of reservoirs.

11. (Original) The system of claim 10, wherein the supply assembly includes a vent assembly in communication with each of the plurality of reservoirs, and further wherein the vent assembly is adapted to selectively vent the corresponding reservoir when the supply assembly delivers the volatile carbon-containing feedstock to the reservoir.

12. (Original) The system of claim 11, wherein the vent assembly is disposed to prevent venting of each of the reservoirs except when the supply assembly is delivering the volatile carbon-containing feedstock to the reservoirs.

13. (Original) The system of claim 1, further including a supply assembly adapted to deliver the volatile carbon-containing feedstock to the reservoirs.

14. (Original) The system of claim 13, wherein the supply assembly includes a supply reservoir adapted to store a volume of the volatile carbon-containing feedstock for selective delivery to the plurality of reservoirs.

15. (Original) The system of claim 1, further including a control system adapted to control the pressure of the volatile carbon-containing feedstock in the reservoirs.

16. (Original) The system of claim 15, wherein the control system is adapted to control the operation of the heating assembly.

17. (Original) The system of claim 15, wherein the control system is adapted to control the reservoir from which the delivery system draws the output stream.

18. (Previously presented) The system of claim 1, further including a separation region adapted to increase the purity of hydrogen in the product stream via a pressure-driven separation process.

19. (Previously presented) The system of claim 18, wherein the fuel processor is further adapted to receive water and to produce the product stream from the water and the output stream via a steam reforming reaction.

20. (Original) The system of claim 18, further including a fuel cell stack adapted to receive the product stream and including at least one fuel cell adapted to produce electrical power therefrom.

21. (Currently amended) A fuel processing system, comprising:
a fuel processor adapted to produce a product gas stream primarily containing hydrogen gas from a feedstock;

a feed assembly adapted to deliver the feedstock at a selected pressure to the fuel processor, wherein the feed assembly includes a volatile feedstock feed system, comprising:

a plurality of reservoirs adapted to receive and store under pressure a volume of a volatile carbon-containing feedstock;

a delivery system ~~including~~ adapted to draw a feed stream from a selected one of the reservoirs as a heated liquid stream, wherein the delivery system includes a delivery valve assembly adapted to selectively deliver to the fuel processor the ~~the~~ feed stream containing volatile carbon-containing feedstock from ~~the~~ selected one of the reservoirs at a pressure at least as great as the selected pressure;

a supply system including a supply valve assembly adapted to selectively fill the reservoirs with the volatile carbon-containing feedstock; and

a heating assembly adapted to selectively heat the plurality of reservoirs to maintain the pressure of the volatile carbon-containing feedstock in the reservoirs at or above the selected pressure.

22. (Original) The system of claim 21, wherein the supply and delivery valve assemblies are adapted to selectively deliver volatile carbon-containing feedstock from one of the reservoirs while supplying volatile carbon-containing feedstock to another one of the reservoirs.

23. (Original) The system of claim 21, further including a fuel cell stack adapted to receive the product stream and including at least one fuel cell adapted to produce electrical power therefrom.

24. (Original) The system of claim 21, further including a control system adapted to control the pressure of the volatile carbon-containing feedstock in the feed stream.

25. (Original) The system of claim 24, wherein the control system is adapted to control the operation of the heating assembly to control the temperature of the reservoirs.

26. (Original) The system of claim 24, wherein the control system is adapted to control the operation of the supply system to control the volume of the volatile carbon-containing feedstock in the reservoirs.

27. (Original) The system of claim 24, wherein the control system is adapted to control the operation of the delivery system to control the delivery of the feed stream.

28. (Original) The system of claim 24, wherein the control system includes a controller in communication with a sensor assembly.

29. (Original) The system of claim 28, wherein the sensor assembly includes temperature sensors adapted to measure the temperature in the reservoirs.

30. (Original) The system of claim 28, wherein the sensor assembly includes level sensors adapted to measure the volume of the volatile carbon-containing feedstock in the reservoirs.

31. (Original) The system of claim 28, wherein the sensor assembly includes pressure sensors adapted to measure the pressure of the volatile carbon-containing feedstock in the reservoirs.

32. (New) The system of claim 21, wherein the selected pressure is approximately 100-300 psig.

33. (New) The system of claim 21, wherein the selected pressure includes a range of pressures.

34. (New) The system of claim 1, wherein the delivery system is adapted to deliver the output stream at a selected pressure.

35. (New) The system of claim 34, wherein the selected pressure is approximately 100-300 psig.

36. (New) The system of claim 34, wherein the selected pressure includes a range of pressures.

37. (New) The system of claim 1, wherein the heated output stream is a liquid heated output stream when drawn from the selected one of the reservoirs.